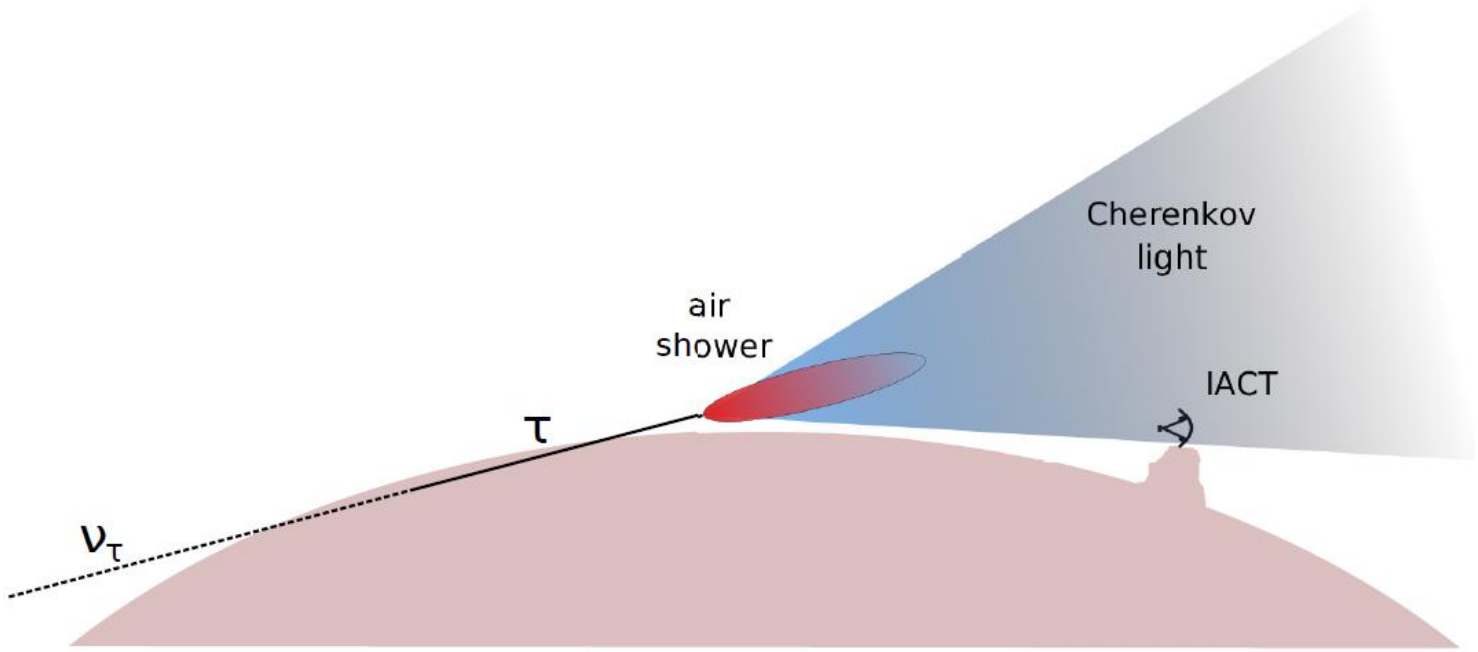
Trinity UHE Neutrino Detector

- 3 sites with 6 Imaging Air Cherenkov Telescopes (IACTs) each
- Detects upward going Extensive Air Showers (EAS) caused by Tau neutrinos interacting in the Earth



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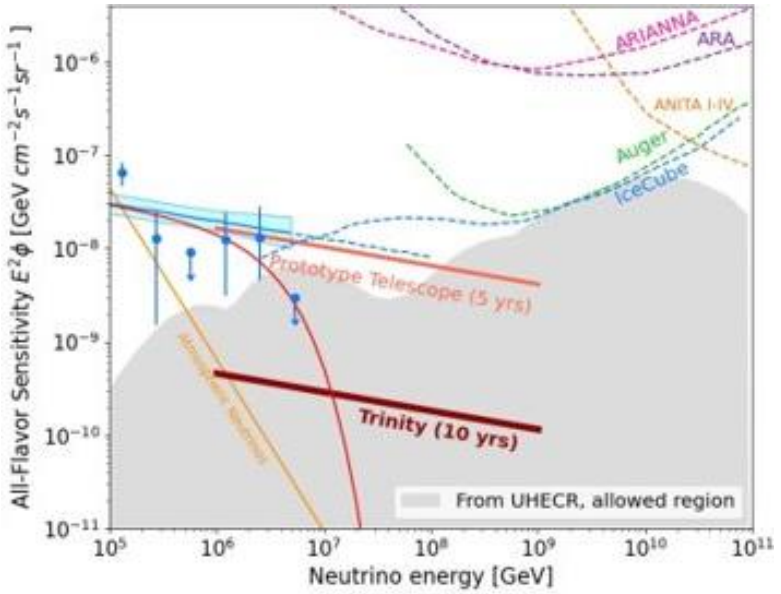
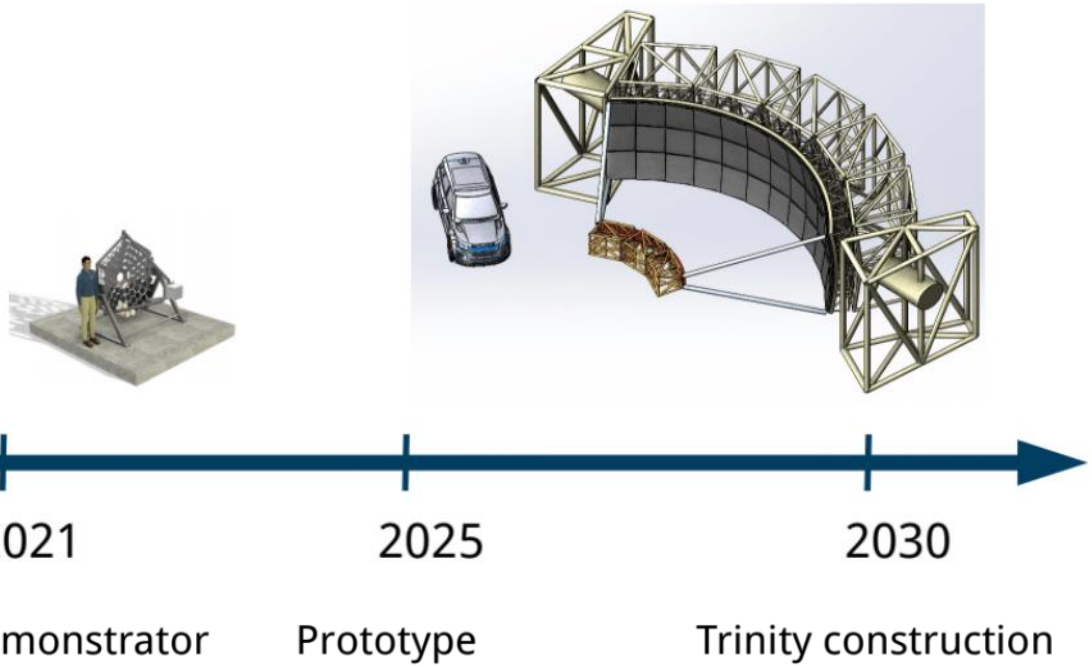
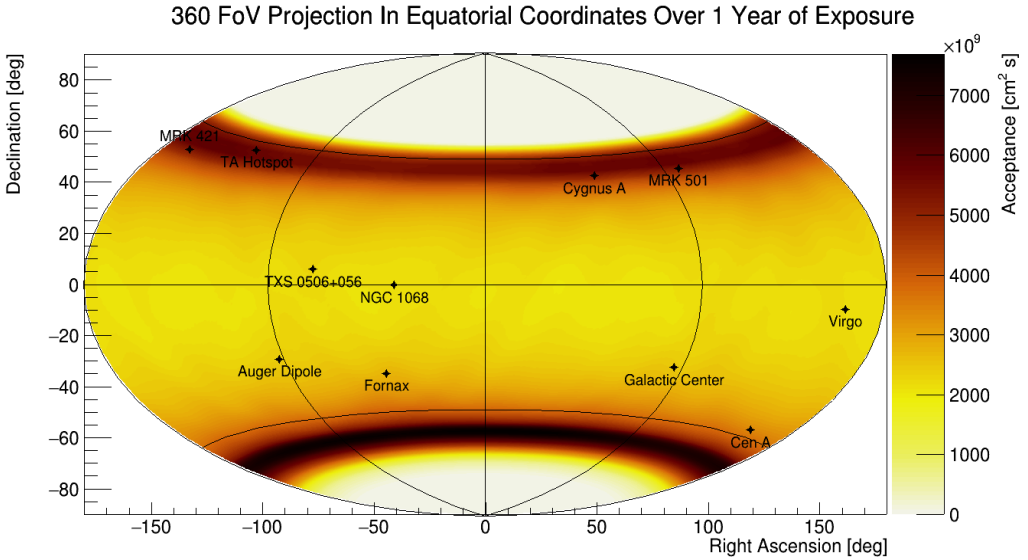
Trinity Performance/Timeline

- 1 telescope is sensitive to astrophysical neutrinos
- Potential to detect NGC 1068 in one year
- Energy threshold of 1 PeV

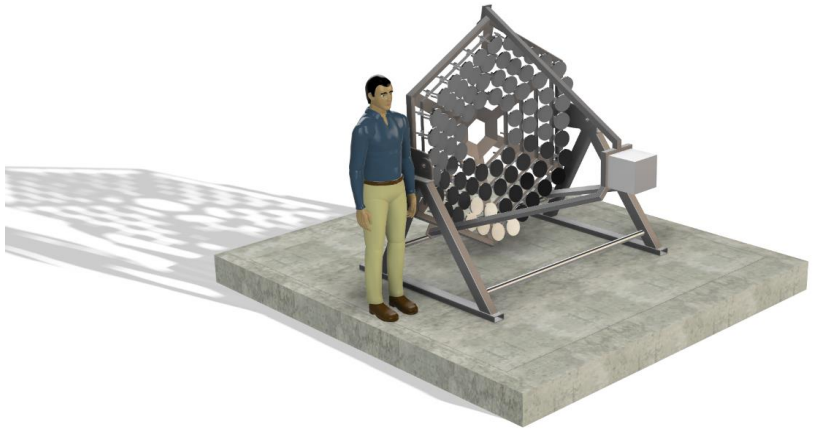


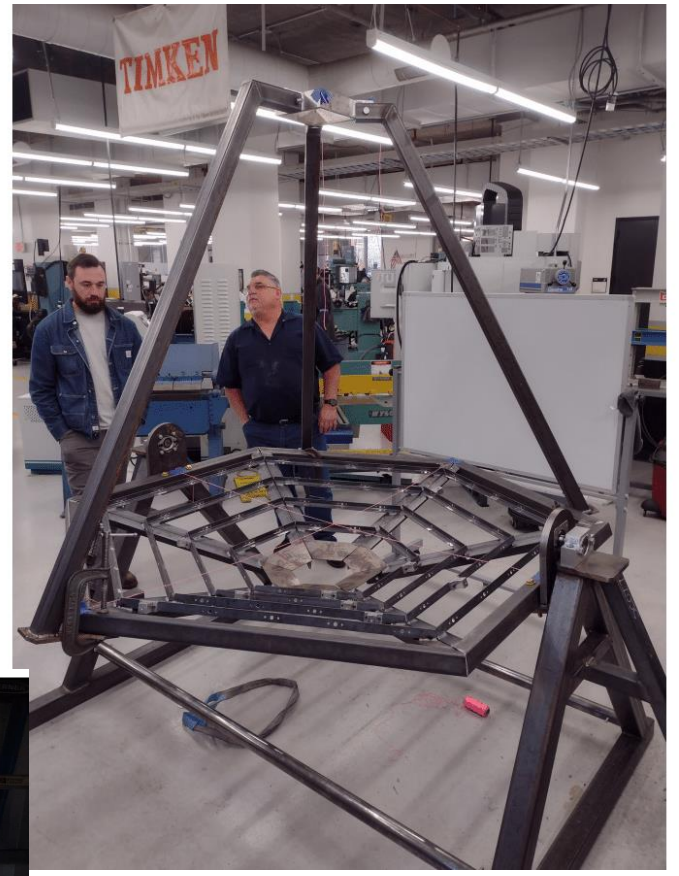




Trinity Demonstrator

- Objectives:
  - Study background
  - Remote operation
  - Demonstrate technology
  - ...
- Deployment on Frisco Peak, Utah in May/June 2023





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